

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

August 5, 2016

Ms. Luz G. Chan Registration Manager Drexel Chemical Company P.O Box 13327 Memphis, TN 38113-0327

Subject: Label Amendment - Interim Registration Review Label Removing Cull Fruits and

Vegetables Dump Use and Updating Personal Protective Equipment Requirements

Product Name: Drexel Malathion 5EC EPA Registration Number: 19713-217 Application Date: April 14, 2015 Resubmission Date: August 5, 2016

Decision Number: 503918

Dear Ms. Chan:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. The next label printing of this product must use this labeling unless subsequent changes have been approved. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

SEE NEXT PAGE

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Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Carlyn Petrella by phone at 703-347-0439, or via email at petrella.carlyn@epa.gov.

Sincerely,

Michael Walsh Product Manager 11

Invertebrate & Vertebrate Branch 2

Registration Division

Office of Pesticide Programs

Enclosure

SUBLABEL A: AGRICULTURAL USE LABEL



ACCEPTED 08/05/2016

Under the Federal Insecticide, Fungicide and Rodenicuse Act as amended, for the pesticide registered under

EFA Reg. No. 19713-217

Insecticide / Miticide

ACTIVE INGREDIENT:

OTHER INGREDIENTS: 43.0%

This product contains 5 pounds of Malathion per gallon. Contains petroleum distillate.

KEEP OUT OF REACH OF CHILDREN **WARNING / AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See FIRST AID Below

EPA Reg. No. 19713-217 EPA Est. No. 19713-XX-XXX

Net Content:

FIRST AID

- · Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- · Call a poison control center or doctor for treatment advice.

IF SWALLOWED:

- Immediately call a poison control center or doctor for treatment advice.
- Do not induce vomiting unless told to by a poison control center or doctor.
- Do not give any liquid to the person.
- · Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.
- Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also call CHEMTREC at 800-424-9300 for emergency.

NOTE TO PHYSICIAN: This product is a cholinesterase inhibitor. Atropine is antidotal. 2-PAM may be effective as an adjunct to atropine. Malathion is an organophosphate. Contains petroleum distillate. May pose an aspiration pneumonia hazard.

217MSP-0816*P

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Causes substantial but temporary eye injury. Harmful if swallowed. Harmful if absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

For All Formulations and Use Patterns - Mixers, loaders, applicators, flaggers and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves made of barrier laminate or viton ≥ 14 mils (pilots must wear chemical-resistant gloves only when entering or exiting the aircraft), shoes plus socks, and protective eyewear such as safety glasses, face shield, or goggles.

For All Dip Applications – Mixers, loaders, and applicators must wear: Long-sleeved shirt, long pants, shoes and socks, chemical resistant gloves made of barrier laminate or viton ≥ 14 mils, chemical resistant apron, and protective eyewear such as safety glasses, face shield, or goggles.

For All Airblast Applications - Applicators must wear: Long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves made of barrier laminate or viton \geq 14 mils (pilots must wear chemical-resistant gloves only when entering or exiting the aircraft), chemical-resistant apron, and protective eyewear (goggles, safety glasses or faceshield).

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENGINEERING CONTROLS

Pilots must use an enclosed cockpit in a manner that is consistent with the WPS for Agricultural Pesticides [40 CFR 170.240 (d)(6)]. Pilots must wear the PPE required on this labeling for applicators.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic organisms, including fish and invertebrates. This product may contaminate water through drift of spray in wind. This product has a high potential for runoff after application. Use care when applying in or to an area which is adjacent to any body of water, and do not apply when weather conditions favor drift from target area. Poorly draining soils and soils with shallow water tables are more prone to product runoff that contains this product.

A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

This pesticide is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively foraging the treatment area. (For packaging in 5 gallons or more): Do not discharge effluent containing this product into lakes, streams, ponds, estuarines, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination Systems (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

Combustible: Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product through any type of irrigation system. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS), 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the WPS.

Do not enter or allow worker entry into treated areas during the REI. The REI for each crop is listed in the directions for use associated with each crop.

PPE required for early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil or water is: Coveralls, chemical-resistant gloves made of barrier laminate or viton > 14 mils, and shoes plus socks.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, or nurseries.

Do not enter or allow others to enter until sprays have dried.

RESISTANCE MANAGEMENT

GROUP 15 INSECTICIDE

MALATHION 5EC contains a Group 1B insecticide or acaricide. Insect/mite biotypes with acquired resistance to Group 1B may eventually dominate the insect/mite population if Group 1B insecticides or acaricides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by this product or other Group 1B insecticides or acaricides.

To delay insecticide or acaricide resistance, consider:

- Avoiding the consecutive use of this product or other Group 1B insecticides/acaricides that have similar target site of action on the same insect/mite species.
- Using tank mixtures or premixes with insecticides/acaricides from a different target site action
 Group as long as the involved products are all registered for the same use and have different sites of action.
- Basing insecticide/acaricide use on a comprehensive IPM program.
- Monitoring treated insect/mite populations for loss of field efficacy.

Contacting your local extension specialist, certified crop advisors, and/or manufacturer for insecticide/acaricide resistance management and/or IPM recommendations for specific site and resistant pest problems.

PRECAUTIONS AND RESTRICTIONS

Do not allow spray to contact auto vehicles as paint finish could be permanently damaged. If vehicles come into contact with spray, wash immediately.

This product is not for use against mosquitoes in the State of New York.

SPRAY DRIFT REQUIREMENTS

Observe the following requirements when spraying in the vicinity of aquatic areas such as, but not limited to lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish ponds. **Droplet Size**

Use the largest droplet size consistent with acceptable efficacy. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible, and by avoiding excessive spray boom pressure. For groundboom and aerial applications, use only medium or coarser spray nozzles according to ASAE (S572) definition for standard nozzles, or a volume mean diameter (VMD) of 300 microns or greater for spinning atomizer nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

Wind Direction and Speed

Make aerial or ground applications when the wind velocity favors on target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity exceeds 15 mph. Avoid applications when wind gusts approach 15 mph. For all non-aerial applications, wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application.

Temperature Inversion

Do not make aerial or ground applications into areas of temperature inversions.

Inversions are characterized by stable air and increasing temperatures with increasing distance above the ground. Mist or fog may indicate the presence of an inversion in humid areas. Where permissible by local regulations, the applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size.

Additional Requirements for Ground Applications

For groundboom applications, apply with nozzle height no more than 4 feet above the ground or crop canopy. For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

Additional Requirements for Aerial Applications

For aerial applications, the spray boom should be mounted on the aircraft as to minimize drift caused by wingtip or rotor vortices. The minimum practical boom length should be used and must not exceed 75% of wing span or 90% rotor diameter. Aerial applicators must consider flight speed and nozzle orientation in determining droplet size. When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Spray should be released at the lowest height consistent with pest control and flight safety. Applications more than 10 feet above the crop canopy should be avoided. Apply only when weather conditions are favorable. Wind and rising air currents may cause undesirable spray drift and reduce insect control.

Mist blowers and boom sprayers utilizing a controlled air flow to facilitate particle size any spray deposition may be used at a vehicle speed of 4 to 10 mph.

Mist blowers with a pump capable of producing 40 psi and blower speeds of 2,600 rpm are satisfactory. Use flat fan nozzles, 8001 to 8002, placed 30° into air blast, or rotary atomizers placed into the air blast that produce an efficient spray particle with a mass median diameter of 30 to 100 microns. Other similar application equipment which has demonstrated the capability to deliver even distribution of the labeled rate over the desired area may be used.

Boom sprayers with a filtered rotary air compressor, either PTO or gas engine driven or an air pump capable of producing at least 12 psi are satisfactory. Use air pressure on chemical tanks and an accurate metering valve to assure a calibrated flow of the pesticide. Air should be regulated with a relief valve and gauge for proper air and liquid mixture. Pneumatic-type spray nozzles, as suggested by equipment manufacturer, should be used for spray particles with mass median diameter of 30 to 100 microns.

Buffer Zones for Aerial Application

When making a non-ULV application with aerial application equipment, a minimum buffer zone of 25 feet must be maintained along any water body.

APPLICATION THROUGH IRRIGATION SYSTEMS (CHEMIGATION)

Apply this product only through sprinkler, including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move, or drip irrigation systems. Do not apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Mix in clean supply tank the specified amount of this product for acreage to be covered, and needed quantity of water.

This product should not be tank-mixed with other pesticides, surfactants or fertilizers unless prior use has shown the combination non-injurious under your conditions of use. Follow precautionary statements and directions for all tank-mix products.

On all crops, use sufficient gallonage of water to obtain thorough and uniform coverage, but not cause runoff or excessive leaching. This will vary depending on equipment, pest problem and stage of crop growth. Application of more or less than optimal quantity of water may result in decreased chemical performance, crop injury or illegal pesticide residues.

Meter this product into the irrigation water uniformly during the period of operation. Do not overlap application. Follow specified label rates, application timing, and other directions and precautions for crop being treated. Continuous mild agitation of pesticide mixture may be needed to assure, a uniform application, particularly if the supply tank requires a number of hours to empty.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Chemigation Systems Connected to Public Water Systems

Drexel Chemical Company does not encourage connecting chemigation systems to public water supplies. The following information is provided for users who have diligently considered all other application and water supply options before electing to make such a connection.

Public water systems means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of a least 25 individuals daily at least 60 days out of the year. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection.

The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shutdown.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock. Do not apply when wind speed favors drift beyond the area intended for treatment.

Sprinkler Chemigation

The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

Drip Chemigation

The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

MIXING PROCEDURES

Fill the spray tank at least three-fourths full with water before this product is added. Mechanical agitation or recirculation through the pump by-pass to the tank is usually sufficient for maintaining a good dispersion. Rinse empty container with water and drain into spray tank. Repeat two more times.

PHI = Pre-Harvest Interval REI = Restricted Entry Interval

AGRICULTURAL USES

Apply this product using a minimum of 10 gallons of water per acre by ground equipment or using minimum of 2 gallons of water per acre by air equipment unless otherwise specified. Best results are obtained with uniform coverage. Use higher rate when insect pressure is heavy.

VEGETABLES

Vegetable Crop	Pest Controlled	Rate Per	PHI
A		Acre	(Days)
Asparagus	Asparagus aphids, Asparagus beetles	2 pts.	A
(REI = 12 hrs.)	Thrips	1.5 to 2 pts.	1
	S: The maximum application rate is 1.25 pounds a.i. (2 pir		ıct) per
	ber of application per year is 2; Minimum retreatment inter		****
Beets (Garden	Aphids, Leafhoppers	1.5 to 2 pts.	7
including Tops)	SPECIFIC DIRECTIONS: Do not apply within 7 days of	harvest if tops	are to be
(REI = 12 hrs.)	used as food or feed.		
	S: The maximum application rate is 1.25 pounds a.i. (2 pi		
	number of application per year is 3; the minimum retreatme	ent interval is 7	days. DO
NOT apply to Sugart		4	
Broccoli, Chinese	Aphids, Cabbage loopers, Carrot weevils, Flea	1 to 2 pts.	2
broccoli, Broccoli	beetles, Imported cabbageworms		
raab			
(REI = 48 hrs.)		-1	- 12
	S: The maximum application rate is 1.25 pounds a.i. (2 pi		
	number of applications per year is 2; and the minimum retr		
Brussel sprouts	Aphids, Cabbage loopers, Carrot weevils, Flea	1 to 2 pts.	2
(REI = 48 hrs.)	beetles, Imported cabbageworms		- 10
	S: The maximum application rate is 1.25 pounds a.i. (2 pi		
	number of applications per year is 2; and the minimum retr		ai is / days
Cabbage, Chinese	Aphids, Cabbage loopers, Carrot weevils,	1 to 2 pts.	1
cabbage	Diamondback moth, Flea beetles, Imported		
(REI = 48 hrs.)	cabbageworms, Webworm		
	SPECIFIC DIRECTIONS: For Caterpillars on Summer a		
	when true leaves appear. On other plantings and for oth	ier insects, beg	ın
	application when insects appear.		
	application when insects appear. S: The maximum application rate is 1.25 pounds a.i. (2 pi	nts of this produ	uct) per
acre; the maximum r	application when insects appear. S: The maximum application rate is 1.25 pounds a.i. (2 pillumber of applications per year is 6; and the minimum retr	nts of this produceatment interval	uct) per al is 7 days.
acre; the maximum r Carrots	application when insects appear. S: The maximum application rate is 1.25 pounds a.i. (2 pi	nts of this produ	uct) per
acre; the maximum r Carrots (REI = 24 hrs.)	application when insects appear. S: The maximum application rate is 1.25 pounds a.i. (2 pinumber of applications per year is 6; and the minimum retriphids, Leafhoppers	nts of this produce atment interval 1.5 to 2 pts.	uct) per al is 7 days. 7
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JSE RESTRICTIONS: The maximum application rate is 1 pound a.i. (1.6 pints of this he maximum number of applications per year is 3; and the minimum retreatment intervals (Aphids, Cabbage loopers, Carrot weevils, Diamondback moth, Flea beetles, Imported cabbageworms, Webworms JSE RESTRICTIONS: The maximum application rate is 1.25 pound a.i. (2 pints of the maximum number of applications per year is 2; and the minimum retreatment intervals.)	1.6 pts.	1
he maximum number of applications per year is 3; and the minimum retreatment intervals. Aphids, Cabbage loopers, Carrot weevils, Diamondback moth, Flea beetles, Imported cabbageworms, Webworms JSE RESTRICTIONS: The maximum application rate is 1.25 pound a.i. (2 pints of the maximum number of applications per year is 2; and the minimum retreatment intervals.	-	per acre:
Aphids, Cabbage loopers, Carrot weevils, REI = 24 hrs.) Diamondback moth, Flea beetles, Imported cabbageworms, Webworms JSE RESTRICTIONS: The maximum application rate is 1.25 pound a.i. (2 pints of the maximum number of applications per year is 2; and the minimum retreatment into		
REI = 24 hrs.) Diamondback moth, Flea beetles, Imported cabbageworms, Webworms JSE RESTRICTIONS: The maximum application rate is 1.25 pound a.i. (2 pints of the maximum number of applications per year is 2; and the minimum retreatment interests.	to 2 pts.	7
cabbageworms, Webworms JSE RESTRICTIONS: The maximum application rate is 1.25 pound a.i. (2 pints of the maximum number of applications per year is 2; and the minimum retreatment into	- F	
JSE RESTRICTIONS: The maximum application rate is 1.25 pound a.i. (2 pints of th he maximum number of applications per year is 2; and the minimum retreatment into		
he maximum number of applications per year is 2; and the minimum retreatment inte	this product) per acre
.von i / wiiwa, wiiwii i i iiwaddia. Hillia	1.5 to 2.5	3
REI = 24 hrs.)		
JSE RESTRICTIONS: The maximum application rate is 1.56 pounds a.i. (2.5 pints o	pts.	1

Vegetable Crop	Pest Controlled	Rate Per Acre	PHI (Days)
Lettuce (Head,	Aphids; Leafhoppers	2 to 3 pts.	14
_eaf) (REI = 24 hrs.)	Cabbage loopers, Spider mites	2.5 to 3 pts.	
·	S: The maximum application rate is 1.88 pounds a.i. (3 p	inte of this produ	ict) ner
acre; the maximum r	umber of applications per year is 2; and the minimum ret		
for leaf and 6 days fo			
Mushrooms	Mites, Phorid flies, Sciarid flies	2.7 pts./A or	1
(REI = 12 hrs.)		1 fl. oz. per	
		1,000 sq. ft.	
		of bed	
	SPECIFIC DIRECTIONS: Make thorough applications	as soon as poss	ible after
	picking. Repeat application as necessary at 3 day interapplications.	vals for a maxim	um of 4
USE RESTRICTION	S: The maximum application rate is 1.7 pounds a.i. (2.7 p	oints of this produ	uct) per
	00 sq. ft. of bed); the maximum number of applications p		
minimum retreatmen		,,	
Mustards (mustard	Aphids, Cabbage loopers, Diamondback moth,	1.6 pts.	7
green, mustard	Imported cabbageworms, Flea beetles, Webworms	1.0 pto.	,
spinach, Chinese	imported outbugeworms, ried besites, webworms		
mustard, Mizuna)			
(REI = 12 hrs.)			
	」 S: The maximum application rate is 1 pound a.i. (1.6 pint	c of this product	har acro
	o. The maximum application rate is a pound a.i. (1.6 plitter of applications per year is 3; and the minimum retreatm		
Okra	Aphids	1.5 pts.	uays. 1
(REI = 12 hrs.)	· ·		•
	Japanese beetles	1.9 pts.	
	S: The maximum application rate is 1.2 pounds a.i. (1.9 plumber of applications per year is 5; and the minimum ret		
Onions (Bulb,	Onion maggots	1.5 to 2.5	3
Green)		pts.	
(REI = 12 hrs.)	Onion thrips	1.5 to 2 pts.	
,	s: The maximum application rate is 1.56 pounds a.i. (2.5		duct) per
acre; the maximum r	number of applications per year is 2; and the minimum ret		
days.			
Parsley	Aphids, Cabbage loopers, Carrot weevils,	1.5 to 2.4	7
(REI = 7 days)	Diamondback moth, Flea beetles, Imported cabbageworms, Webworm	pts.	
USE RESTRICTION	S: The maximum application rate is 1.5 pounds a.i. (2.4 p	oints of this produ	uct) per
	number of applications per year is 2; and the minimum ref		
Parsnips	Aphids, Cabbage loopers, Carrot weevils,	1.5 to 2 pts.	7
raisilips (REI = 24 hrs.)	Diamondback moth, Flea beetles, Imported	1.5 to 2 pts.	'
(NEI - 24 IIIS.)			
HOT DECTRICTION	cabbageworms, Webworm	into at this are di	n4/ m = =
acre; the maximum r days.	S: The maximum application rate is 1.25 pounds a.i. (2 pounds a.i.) (2 pounds a.i.) (2 pounds are some some some some some some some som	reatment interva	il is 7

Vegetable Crop	Pest Controlled	Rate Per	PHI
		Acre	(Days)
Peas (Dry,	Aphids, Grasshoppers, Pea weevils	1.6 pts.	3
Succulent)	Leafhoppers	1.25 to 1.6	
(REI = 12 hrs.)	9 Ti	pts.	
	S: The maximum application rate is 1 pound a.i. (1.6 pints		
	r of applications per year is 2; and the minimum retreatmen		
Peppermint, Spearmint	Aphids, Caterpillars, Flea beetles, Leafhoppers, Spider mites	1.5 pts.	7
(REI = 12 hrs.)	Times		
	⊥ S: The maximum application rate is 0.94 pound a.i. (1.5 pi	nte of this prod	uct\ nor
	umber of applications per year is 3; and the minimum retr		
days.	amber of applications per year is 0, and the infinition rea-	camon incive	11 13 1
Peppers	Aphids	1 to 2.5 pts.	3
(REI = 12 hrs.)	Pepper maggots	2.5 pts.	•
	S: The maximum application rate is 1.56 pound a.i. (2.5 pi		uct) ner
	umber of applications per year is 2; and the minimum retr		
days.			
Potatoes	Aphids, Grasshoppers, Leafhoppers	2 pts.	0
(REI = 12 hrs.)	False chinch bugs	1.5 pts.	
•	Mealybugs	2 to 2.5 pts.	
USE RESTRICTION	S: The maximum application rate is 1,56 pounds a.i. (2.5)		duct) per
	umber of applications per year is 2; and the minimum retr		
days.	,		
Pumpkin	Aphids, Cucumber beetles, Leafhoppers,	1.5 pts.	1
(REI = 12 hrs.)	Pickleworms, Spider mites, Squash vine borer	•	
ISE RESTRICTION	」 S: The maximum application rate is 1 pound a.i. (1.6 pints	of this product	ner acre
	or of applications per year is 2; and the minimum retreatment		
Radish	Aphids	1.5 pts.	7
(REI = 12 hrs.)	7 (5)1160	, pto.	
	S: The maximum application rate is 1 pound a.i. (1.6 pints	of this product) ner acre
	r of applications per year is 3; and the minimum retreatme		
Rutabagas	Aphids	1.5 pts.	7
(REI = 12 hrs.)		, p.c.	
	□ S: The maximum application rate is 1 pound a.i. (1.6 pints	of this product	\ nor noro
	r of applications per year is 3; and the minimum retreatme		
Salsify	Aphids, Cabbage loopers, Carrot weevils, Flea	1 to 2 pts.	7 7
(REI = 24 hrs.)	beetles, Imported cabbageworms, Leafhoppers,	1 to 2 pts.	_ ′
(1 Class)	Spider mites, Thrips		
USE RESTRICTION	S: The maximum application rate is 1.25 pounds a.i. (2 pir	nts of this produ	ict) per
	umber of applications per year is 3; and the minimum retr		
days.			
Spinach	Aphids, Leafhoppers	1.6 pts.	7
REI = 12 hrs.)		,	
USE RESTRICTION	S: The maximum application rate is 1 pound a.i. (1.6 pints	of this product) per acre
he maximum numbe	r of applications per year is 2; and the minimum retreatme	ent interval is 7	days.
Squash (Summer)	Aphids, Cucumber beetles, Cutworms, Darkling ground	2 to	1
(REI = 24 hrs.)	beetles, Leafhoppers, Leafminers, Pickleworms, Spider	2.8 pts.	
	mites, Squash vine borer, Thrips		
JSE RESTRICTION	S: The maximum application rate is 1.75 pound a.i. (2.8 pi	nts of this prod	uct) per
acre; the maximum n	umber of applications per year is 3; and the minimum retr	eatment interva	ıl is 7
days.			

Vegetable Crop	Pest Controlled	Rate Per	PHI
Causala (Mintar)	Anhida Ovavrshar haatlaa Laafrainara Dialdavarraa	Acre	(Days)
Squash (Winter)	Aphids, Cucumber beetles, Leafminers, Pickleworms,	1.6 pts.	1
(REI = 12 hrs.)	Spider mites, Squash vine borer		<u> </u>
	S: The maximum application rate is 1 pound a.i. (1.6 pints		
	er of applications per year is 3; and the minimum retreatment		
Sweet potatoes	Leafhoppers, Morningglory leafminer	1.5 to	0
(REI = 12 hrs.)		2.5 pts.	
	S: The maximum application rate is 1.56 pound a.i. (2.5 p number of applications per year is 2; and the minimum retr		
Swiss chard	Aphids	1.6 pts.	14
(REI = 12 hrs.)	•		
	S: The maximum application rate is 1 pound a.i. (1.6 pints	of this product) per acre;
the maximum number	er of applications per year is 2; and the minimum retreatme	ent interval is 7	days.
Tomatoes,	Aphids, Spider mites	1.5 pts.	1
Tomatillos	Armyworms, Drosophila, Fruitworms (CA only)	2.5 pts.	
(REI = 12 hrs.)			
days.	number of applications per year is 4; and the minimum retr		
Turnips (Greens,	Aphids, Cabbage loopers, Carrot weevils, Imported	1 to 2 pts.	1
Roots)	cabbageworms		
(REI = 12 hrs.)			
	S: The maximum application rate is 1.25 pounds a.i. (2 pillumber of applications per year is 3; minimum retreatment days for turnip roots.	interval is 5 da	iys for
Watercress	Aphids	1.6 pts.*	3
$(REI = 12 \text{ hrs.})^*$		(2 pts.)*	
(REI = 24 hrs.)*			
	S: *The REI is 12 hours if applied at the maximum rate of		
	e. The REI is increased to 24 hours if applied at the maxin		
	oduct) per acre. The maximum number of applications per	ryear is 5 and t	he
minimum retreatmen	t interval is 3 days.		
Yam	Leafhoppers	1.5 to 2.5	0
(REI = 24 hrs.)		pts.	
USE RESTRICTION	S: The maximum application rate is 1.56 pounds a.i. (2.5	pints of this pro	duct) per
acre; the maximum r	number of applications per year is 2; and the minimum retr	reatment interva	al is 7
days.			

FRUIT AND NUT CROPS

Fruit and Nut Crops	Pest Controlled	Rate Per Acre	PHI (Days)
Apricots (REI = 12 hrs.)	Aphids, Codling moths, European fruit lecaniums, Orange tortrix, Soft brown scales, Terrapin scales	2 pts.	6
acre; the maximum nu Avocado (REI = 48 hrs.) USE RESTRICTIONS	The maximum application rate is 1.5 pounds a.i. (2.4 pin mber of applications per year is 2; and the minimum retre Greenhouse thrips, Latania scales, Omnivorous loopers, Orange tortrix, Soft brown scales The maximum application rate is 4.7 pounds a.i. (7.5 pin mber of applications per year is 2; and the minimum retre	atment interval 7.5 pts. ts of this produc	is 7 days. 7 ot) per
days. Blackberries, Boysenberries, Dewberries, Gooseberries, Loganberries, Raspberries (REI = 12 hrs.)	Aphids, Rose scale chafers, Japanese beetles, Leafhoppers, Mites, Thrips	3 pts.	1
	The maximum application rate is 2 pounds a.i. (3.2 pints of applications per year is 3; and the minimum retreatmen Blueberry maggots		
acre; the maximum nu	Blueberry maggots, Cherry fruit worms, Cranberry fruit worms Japanese beetles The maximum application rate is 1.25 pounds a.i. (2 pint mber of applications per year is 3; and the minimum retre	2 pts. 1.5 to 2 pts. s of this produc atment interval	
Cantaloupe (REI = 12 hrs.)	Aphids, Cucumber beetles, Leafhoppers, Leafminers, Pickleworms, Spider mites, Squash vine borer	1.6 pts.	1
	: The maximum application rate is 1 pound a.i. (1.6 pints of applications per year is 2; and the minimum retreatmen		

Fruit and Nut Crops	Pest Controlled	Rate Per Acre	PHI (Days)
Cherries (Sweet, Tart)	Black cherry aphids, Eyespotted bud moth, Fruittree leafrollers, Cherry fruit flies, Japanese beetles	2.8 pts.	3
(REI = 12 hrs.)	SPECIFIC DIRECTIONS: Injury may occur on certain v cherries.		
	: The maximum application rate is 1.75 pounds a.i. (2.8 pumber of applications per year is 4; and the minimum retr		
Chestnuts	Mites	1.5 to 4 pts.	2
(REI = 24 hrs.)	SPECIFIC DIRECTIONS: Apply when mites appear in to 10 days. Do not treat after shucks split.	numbers and re	
	: The maximum application rate is 2.5 pounds a.i. (4 pint umber of applications per year is 3; and the minimum retr		
Citrus (Grapefruits, Lemons, Lime, Oranges, Tangerines,	Black scales (single and off-brooded), California red scales, Citricola scales, Purple scales, Soft brown scales, Yellow scales, Florida purple scales, Florida red scales	2.4 pts.* (12 pts.)*	7
Tangelos)	SPECIFIC DIRECTION: Do not apply when trees are in	bloom.	
(CA Only) (REI = 12 hrs.)* (REI = 72 hrs.)*	Citrus red mites, Thrips	2.4 pts* (12 pts.)*	7
pounds a.i. (12 pints of Citrus (Grapefruits, Lemons, Lime, Oranges, Tangerines,	bwever, the REI is increased to 72 hours if applied at the of this product) per acre; only 1 application is allowed per Black scales (single and off-brooded), California red scales, Citricola scales, Purple scales, Soft brown scales, Yellow scales, Florida purple scales, Florida red scales		7
Tangelos)	SPECIFIC DIRECTION: Do not apply when trees are in	bloom.	
(All Other States; Except CA) (REI = 12 hrs.)* (REI = 72 hrs.)*	Citrus red mites, Thrips	2.4 pts* (7.2 pts.)*	7
USE RESTRICTIONS of this product) per ac of 30 days. However,	: *The REI is 12 hours if applied at the maximum rate of tre; maximum number of applications per year is 3 at mini the REI is increased to 72 hours if applied at the maximu act) per acre; only 1 application is allowed per year.	mum retreatme	ent interval
Currants (REI = 12 hrs.)	Japanese beetles, Rose chafer, Mites	2 pts.	1
USE RESTRICTIONS	: The maximum application rate is 1.25 pounds a.i. (2 pir umber of applications per year is 3; and the minimum retr		
Figs (REI = 12 hrs.)*	Dried fruit beetles, Vinegar flies	2.4 pts.* (3.2 pts.)*	5
(REI = 24 hrs.)*	SPECIFIC USE DIRECTIONS: Apply with 1 to 2 gallons		molasses.
of this product) per ac	t: *The REI is 12 hours if applied at the maximum rate of re. However, the REI is increased to 24 hours if applied a of this product) per acre. The maximum number of applic interval is 5 days.	at the maximum	rate of 2

Fruit and Nut Crops	Pest Controlled	Rate Per Acre	PHI (Days)
Grapes (REI = 72 hrs. for	Leafhoppers, European fruit lecanium, Drosophila, Japanese beetles, Spider mites, Terrapin scale	3 pts.	3
girdling and tying; 24	Mealybugs	1.5 pts.	
hrs. for all other			
activities)	SPECIFIC DIRECTIONS: For European fruit lecaniums applications when newly hatched nymphs are migrating after bloom. Injury may occur on Grapes of Almeria, Cardinal, Italia a	over vines, usu and Ribier variet	ally shortly
110 = = = = = = = = = = = = = = = = = =	sprays containing this product are applied after clusters		
	: The maximum application rate is 1.88 pounds a.i. (3 pin		
Grape Vines	of applications per year is 2; and the minimum retreatme Grape phylloxera	3 pts. per	uays.
(Over-wintering on	Grape phylloxera	100 gals.	~
nursery stocks)	SPECIFIC DIRECTIONS: Remove excess soil from the		colution o
(REI = 24 hrs.)	this product. Submerge the entire root system for 5 minuagitated at all times.	utes. Keep the s	olution
	: The maximum application rate is 1.88 pounds a.i. (3 pin		
	of applications per year is 2; and the minimum retreatme		days. 2
Guava	Drosophila	1.5 to 2 pts.	
(REI = 12 hrs.)	SPECIFIC USE DIRECTION: Apply this product with 1		У
	hydrolyzed yeast protein or enzymatic yeast hydrolysate		
	: The maximum application rate is 1.25 pounds a.i. (2 pin		
ine maximum number Kumquat	of applications per year is 13; and the minimum retreatm	7.2 pts.	uays. 7
REI = 48 hrs.)	Black scales (single and off-brooded), California red scales, Citricola scales, Purple scales, Soft brown	1.2 pts.	1
(REI - 40 IIIS.)	scales, Yellow scales, Florida purple scales, Florida		
	red scales		
	SPECIFIC DIRECTION: Do not apply when trees are in	hloom	
	1	.,	
G G Yare' Name Dates' Dates Name and ordered N Yare's policies Name De S Yare'	Citrus red mites, Thrips	7.2 pts.	7
	: The maximum application rate is 4.5 pounds a.i. (7.2 pir	nts of this produ	ct) per
acre; only 1 applicatio		d F min	<i>1</i>
Macadamia nuts	Green stink bugs	1.5 pts.	1
(REI = 12 hrs.)	The manipular application rate is 0.04 period at (4.5 pi	-40 06 46 0 000 000	
	: The maximum application rate is 0.94 pound a.i. (1.5 pir		
	Imber of applications per year is 6; and the minimum retre		is / days.
	Drosophila	1.5 pts.	1
(REI = 12 hrs.)	The manipular application rate is 0.04 paying a i. (4.5 pi	ata af this mostly	-4\
	: The maximum application rate is 0.94 pound a.i. (1.5 pir		
	imber of applications per year is 10; and the minimum ret		
Melons (Other than Watermelon)	Aphids, Cucumber beetles, Leafhoppers, Leafminers, Pickleworms, Squash vine borers, Spider mites	1.6 pts.	1
(REI = 12 hrs.)	Pickleworns, Squasii viile borers, Spider fiiles		
	: The maximum application rate is 1 pound a.i. (1.6 pints	of thic product)	nor noro:
	of applications per year is 2; and the minimum retreatme		
Nectarines	Plum curculios, Spider mites	1 to 4.8 pts.	7
(REI = 24 hrs.)		<u> </u>	ř
TI TIME TO THE TIME OF TIME OF THE TIME OF TIME OF THE TIME OF TIME OF TIME OF THE TIME OF TIM	Aphids, Japanese beetles	4 to 4.8 pts.	hin nuncleed
	SPECIFIC USE DIRECTIONS: For use against aphids and Ja may be mixed with spray oil for dormant and delayed dormant manufacturer's directions. Application rates are based on a standard dilution rate of 300	applications. Fo	llow spray o
	This product may cause spotting on nectarines.	(5. Jana) ganons (WALLITT.
USE RESTRICTIONS: 1	The maximum application rate is 3 pounds a.i. (4.8 pints of this p	product) per acre:	the
	olications per year is 3; and the minimum retreatment interval is	7 dove	

Fruit and Nut Crops	Pest Controlled	Rate Per Acre	PHI (Days)
Papayas (REI = 12 hrs.)	Aphids, Mealybugs	1.5 to 2 pts.	1
	The maximum application rate is 1.25 pounds a.i. (2 pints	of this product)	ner
	mber of applications per year is 8; minimum retreatment in		
Passion fruit	Drosophila	1.5 pts.	3
(REI = 12 hrs.)	SPECIFIC USE DIRECTION: Apply this product with 1 po	<u> </u>	
(hydrolyzed yeast protein or enzymatic yeast hydrolysate		
USE RESTRICTIONS:	The maximum application rate is 1 pound a.i. (1.6 pints of		er acre.
	of applications per year is 8; minimum retreatment interval		o, ao, o,
Peaches	Black cherry aphids, Black peach aphids, European red	2.5 to 4.8	7
(REI = 24 hrs.)	mites, Green peach aphids, Japanese beetles, Rusty plum	pts.	•
(1 (32)	aphids, Spider mites	, ,	
	Oriental fruit moths, Plum curculios, Cottony peach	4.8 pts.	
	scales, European fruit lecaniums, Terrapin scales		
IISE RESTRICTIONS:	The maximum application rate is 3 pounds a.i. (4.8 pints o	of this product) r	er acre.
	of applications per year is 3; and the minimum retreatment		
Pears	Aphids	1 pt.	1
(REI = 12 hrs.)	Mealybugs, Mites, Pear psylla	1 to 2 pts.	•
(**************************************	Codling moth, Fruittree leafroller, Plum curculio,	2 pts.	
	Redbanded leafhopper	 p.o.	
USE RESTRICTIONS:	The maximum application rate is 1.25 pounds a.i. (2 pints	of this product)	per
	mber of applications per year is 2; and the minimum retrea		
	sc pears under certain conditions.		
Pecans	Aphids, European red mites, Pecan leaf casebearers*, Pecan	1.5 to 4 pts.	7
(REI = 24 hrs.)	nut casebearers*, Pecan phylloxera**, Spider mites, Walnut		
,	aphids, Walnut huskflies**		
	SPECIFIC USE DIRECTIONS: *Apply when first generat	ion eggs begin	to hatch.
	**Apply when buds begin to develop.		
	The maximum application rate is 2.5 pounds a.i. (4 pints of		
	of applications per year is 2; and the minimum retreatment		
Pineapple (REI = 24 hrs.)	Mealybugs	3.2 pts.	7
USE RESTRICTIONS:	The maximum application rate is 2 pounds a.i. (3.2 pints of	of this product) p	per acre;
the maximum number	of applications per year is 3; and the minimum retreatment	interval is 7 day	ys.
Strawberries	Aphids, Field crickets, Lygus bugs, Potato leafhoppers,	1.5 to 3.2	3
(REI = 12 hrs.)	Spider mites, Spittlebugs, Strawberry leafrollers,	pts.	
,	Strawberry root weevils, Thrips, Whiteflies	5	
	The maximum application rate is 2 pounds a.i. (3.2 pints of applications per year is 4; and the minimum retreatment		
Walnuts (REI = 24 hrs.)	Aphids, European red mites, Walnut aphids, Walnut Huskflies	1.5 to 4 pts.	7
,	SPECIFIC USE DIRECTIONS: For bait sprays, combine		Bait No.
	2 or No. 7 (protein hydrolysate bait) or Nu-Lure at the rate		
	The maximum application rate is 2.5 pounds a.i. (4 pints of		
	of applications per year is 3; and the minimum retreatment		·
Watermelon	Aphids, Cucumber beetles, Leafhoppers, Leafminers,	1.5 to 2.5	1
(REI = 12 hrs.)	Pickleworms, Squash vine borers, Spider mites	pts.	
(1421113.)		1 '	
	The maximum application rate is 1.5 pounds a.i. (2.6 pints) per

FIELD CROPS, PASTURE AND RANGELAND

Field Crops	Pest Controlled	Rate Per Acre	PHI (Days)
Alfalfa (REI = 12 hrs.)	Alfalfa weevil larvae*, Aphids, Grasshoppers, Lygus bugs, Pea aphids, Potato leafhoppers, Spider mites, Spittlebugs, Stinkbugs	1.5 to 2 pts.	0
	Armyworms, Vetch buchid	2 pts.	
	Clover leaf weevils	1.5 pts.	
USE RESTRICTIONS:	SPECIFIC USE DIRECTIONS: Apply to Alfalfa in bloom of early morning when bees are not working in the field or all outside of hives. *Apply when day temperature is expected when 50 to 70% of the leaves show damage. The maximum application rate is 1.25 pounds a.i. (2 pints)	re not hanging ed to be above	on 65°F and
	mber of applications is 2 per cutting; minimum retreatment		
Clovers (REI = 12 hrs.)	Alfalfa weevil larvae, Aphids, Grasshoppers, Lygus bugs, Pea aphids, Potato leafhoppers, Spider mites, Spittlebugs, Stinkbugs	1.5 to 2 pts.	0
	Armyworms, Vetch buchid	2 pts.	
	Clover leaf weevils The maximum application rate is 1.25 pound a.i. (2 pints of	1.5 pts.	
apply to clover in bloom Corn (Field) (REI = 72 hrs. for	Aphids, Armyworms, Corn earworms*, Corn rootworms (adults), Grasshoppers, Leafhoppers, Sap beetles*,	al is 14 days. D	o not
detasseling; 12 hrs. for all other activities)	Thrips SPECIFIC USE DIRECTIONS: *Begin treatments when a silk. Injury may occur in the whorl and silk stages with this		show
	The maximum application rate is 1 pound a.i. (1.6 pints of applications per year is 2; and the minimum retreatment		
Corn (Pop, Sweet) (REI = 72 hrs. for detasseling; 12 hrs.	Aphids Armyworms, Corn earworms*, Corn rootworms (adults), Grasshoppers, Leafhoppers, Sap beetles*, Thrips	1.6 pts.	5
for all other activities)	SPECIFIC USE DIRECTIONS: *Begin treatments when silk. Injury may occur in the whorl and silk stages with thi	s product.	
	The maximum application rate is 1 pound a.i. (1.6 pints of applications per year is 2; and the minimum retreatment		
Cotton (REI = 48 hrs.)	Brown cotton leafworms, Cotton aphids, Cotton leafworms, Cotton leaf perforators, Desert spider mites, Fall armyworms, Garden webworms, Grasshoppers, Leafhoppers, Lygus bugs, Thrips, Whiteflies	1.5 to 4 pts.	7
	Boll weevil	2 to 4 pts.	
	Cotton fleahoppers	1 to 1.5 pts.	
	Lygus, Thrips	4 pts.	
	The maximum application rate is 2.5 pounds a.i. (4 pints of applications per year is 3; and the minimum retreatment		

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Field Crops	Pest Controlled	Rate Per Acre	PHI (Days)
Grasses, Forage, Hay (Barnyardgrass, Canarygrass, Fescue or	Aphids, Armyworms, Cereal leaf beetles, Grasshoppers, Leafhoppers	2 pts.	O
Orchardgrass, Redtop, Timothy, Yellow			
foxtail) (REI = 12 hrs.)			
	: The maximum application rate is 1.25 pounds a.i. (2 pints	of this produc	t) per
	umber of applications is 1 per cutting.	•	, ,
Lespedeza (REI = 12 hrs	Alfalfa caterpillars*, Alfalfa weevils (larva)**, Aphids, Grasshoppers, Leafhoppers, Lygus bugs	2 pts.	0
/1 (post) 1 ges 1(1/2)	SPECIFIC USE DIRECTIONS: Apply to Alfalfa in bloom o	nly in the ever	ing or
	early morning when bees are not working in the field or ar	e not hanging	on
	outside of hives. *Apply when larvae are small. **Apply wlexpected to be above 65°F and when 50 to 70% of leaves	hen day tempe s show damag	rature is
USE RESTRICTIONS	5: The maximum application rate is 1.25 pounds a.i. (2 pints		
	umber of applications is 2 per cutting; minimum retreatment		
Pasture and Rangeland	Aphids, Armyworms, Grasshoppers, Leafhoppers	1.4 pts.	0
(REI = 12 hrs.)			
	5: The maximum application rate is 0.92 pound a.i. (1.4 pint	s of this produ	ct) per
	umber of applications per year is 1 per cutting.		
Rice, Wild rice	Rice leafminers*	2 pts.	7 days
(REI = 12 hrs.)	Rice stink bugs**	1 to 2 pts.	
	SPECIFIC USE DIRECTIONS: *Make the first application Rice blades appear on the surface of the water. ** Apply during early milk and dough stages using a minimulater per acre by air. Do not apply propanil within 15 days of malathion treatmed over intermittently flooded areas. Application may not be water where fish or shellfish are grown and/or harvested	mum of 2 gallo ent. Broadcast made around	ns of use only
	5: The maximum application rate is 1.25 pounds a.i. (2 pints		
· · · · · · · · · · · · · · · · · · ·	umber of applications per year is 2; and the minimum retrea	atment interval	is 7
days.		1 to 2 pts.	7
Gays. Small Grains (Barley) (REI = 12 hrs.)	Cereal leaf beetles, English grain aphids, Grasshoppers, Greenbugs, Winter grain mites	1 to 2 pts.	
Small Grains (Barley) (REI = 12 hrs.)	Grasshoppers, Greenbugs, Winter grain mites	·	ot) per
Small Grains (Barley) (REI = 12 hrs.) USE RESTRICTIONS		s of this produc	is 7
Small Grains (Barley) (REI = 12 hrs.) USE RESTRICTIONS acre; the maximum nudays. Small Grains (Oats)	Grasshoppers, Greenbugs, Winter grain mites 3: The maximum application rate is 1.25 pounds a.i. (2 pints umber of applications per year is 2; and the minimum retreations.) Cereal leaf beetles, English grain aphids,	s of this produc	
Small Grains (Barley) (REI = 12 hrs.) USE RESTRICTIONS acre; the maximum nedays. Small Grains (Oats) (REI = 12 hrs.)	Grasshoppers, Greenbugs, Winter grain mites 3: The maximum application rate is 1.25 pounds a.i. (2 pints umber of applications per year is 2; and the minimum retrea	s of this produc atment interval	is 7
Small Grains (Barley) (REI = 12 hrs.) USE RESTRICTIONS acre; the maximum nedays. Small Grains (Oats) (REI = 12 hrs.) USE RESTRICTIONS	Grasshoppers, Greenbugs, Winter grain mites 3: The maximum application rate is 1.25 pounds a.i. (2 pints umber of applications per year is 2; and the minimum retreation of applications per year is 2; and the minimum retreation of applications per year is 2; and the minimum retreatment of applications per year is 2; and the minimum retreatment.	s of this producty atment interval 1.5 pts. f this producty	is 7 7 per acre
Small Grains (Barley) (REI = 12 hrs.) USE RESTRICTIONS acre; the maximum nedays. Small Grains (Oats) (REI = 12 hrs.) USE RESTRICTIONS the maximum number Small Grains (Rye)	Grasshoppers, Greenbugs, Winter grain mites 3: The maximum application rate is 1.25 pounds a.i. (2 pints umber of applications per year is 2; and the minimum retreation of applications per year is 2; and the minimum retreation of applications per year is 2; and the minimum retreatmen cereal leaf beetles	1.5 pts. f this product) t interval is 7 c 1 to 1.5 pts.	is 7 7 per acre
Small Grains (Barley) (REI = 12 hrs.) USE RESTRICTIONS acre; the maximum nudays. Small Grains (Oats) (REI = 12 hrs.) USE RESTRICTIONS the maximum number Small Grains (Rye) (REI = 12 hrs.)	Grasshoppers, Greenbugs, Winter grain mites 3: The maximum application rate is 1.25 pounds a.i. (2 pints umber of applications per year is 2; and the minimum retreation of applications per year is 2; and the minimum retreation of applications per year is 2; and the minimum retreatment of applications per year is 2; and the minimum retreatment.	1.5 pts. f this product) t interval is 7 c 1 to 1.5 pts.	per acre lays.

Field Crops	Pest Controlled	Rate Per Acre	PHI (Days)
Sorghum (REI = 12 hrs.)	Greenbugs	1.5 pts.	7
	e maximum application rate is 1 pound a.i. (1.6 pints of this prod cations per year is 2; minimum retreatment interval is 7 days.	uct) per acre; th	9
Trefoil (Birdsfoot) A (REI = 12 hrs.) a	Alfalfa weevil larvae; Aphids, Grasshoppers, Lygus bugs, Pea aphids, Potato leaf hoppers, Spider mites, Spittle bugs, Stink bugs	1 to 2 pts.	0
	Armyworms, Vetch bruchid	2 pts.	
	Clover leaf weevils	1.5 pts.	
	e maximum application rate is 1.25 pounds a.i. (2 pints of this pro- cations is 2 per cutting; minimum retreatment interval is 14 days.		the
Vetch (REI = 12 hrs.)	Alfalfa weevil larvae; Aphids, Armyworms, Clover leaf weevils, Grasshoppers, Lygus bugs, Omnivorous leaftiers, Pea aphids, Potato leaf hoppers, Spider mites, Spittle bugs, Stink bugs, Vetch bruchid	1 to 2 pts.	0
	e maximum application rate is 1.25 pounds a.i. (2 pints of this processions is 2 per cutting; minimum retreatment interval is 14 days.		the
Wheat (Spring and	Cereal leaf beetles	1 to 1.5 pts.	7
Winter)	English grain aphids, Grasshoppers, Greenbugs, Winter grain mites	1.5 pts.	

HOPS

Crop	Pest Controlled	Rate Per Acre	PHI (Days)
Hops (REI = 12 hrs.)	Aphids, Spider mites	1 pt.	10
	S: The maximum application rate is 0.63 pound a.i. (1 pint of applications per year is 3; and the minimum retreatment into		ė

SMALL GRAIN (Barley, Corn, Oats, Rye, Wheat) STORAGE FACILITIES (Grain Elevators/Silos)

	Pest Controlled	Rate		
Before Storing Grains (REI = 12 hrs.)	Cereal leaf beetles, Confused flour beetles, Flat grain beetles, Granary weevils, Indian meal moth, Khapra 1,000 sq. ft. beetle, Lesser grain borers, Maize weevils, Red flour beetles, Rice weevils, Rusty grain beetles, Sawtoothed grain beetles			
	SPECIFIC USE DIRECTIONS: Mix in 2 to 3 gallons of water and apply on 1,000 sq. ft. area. Before applying the spray, clean thoroughly. Remove and burn all sweepings and debris.			
	For a residual wall, floor and machinery spray in grain elevators and silos, make thorough application before loading the grain.			
	In empty warehouse, spray thoroughly the interior including cracks and protected places with sufficient pressure.			
	It apply directly to grain. The maximum application rate is 0.6 lb. a ximum number of application is 1 per storage period.	.i. (0.96 pt. of this		

NON-AGRICULTURAL USE SITES

Site	Rate per Acre (fl. ozs.)	Maximum Single Application Rate	Use Limitations
Christmas tree plantations (REI = 12 hrs.)	82	3.2 lbs. a.i./Ac.	Maximum of 2 applications per year.
Fence rows, Hedge rows	6	0.24 lb. a.i./1000 sq. ft.	
Ornamental and/or Shade trees (REI = 12 hrs.)	64	2.5 lbs. a.i./100 gals.	Maximum of 2 applications per year; 10 day minimum retreatment intervals
Ornamental herbaceous plants (REI = 12 hrs.)	64	2.5 lbs. a.i./100 gals.	-
Ornamental non-flowering plants	64	2.5 lbs. a.i./100 gals.	-
Ornamental woody shrubs and vines (REI = 12 hrs.)	64	2.5 lbs. a.i./100 gals.	Maximum of 2 applications per year/growing cycle;10 day minimum retreatment intervals
Pine seed orchard (REI = 12 hrs.)	82	3.2 lbs. a.i./Ac.	Maximum of 2 applications per year/growing cycle;7 day minimum retreatment intervals

FLY AND MOSQUITO CONTROL - OUTDOOR USE ONLY

Pest	Rate of This Product	Specific Directions		
Adult flies	Straight Sprays: 5 tbsp. + 1 gal. of water or 1 cup + 2.5 gals. of water or 1 qt. + 12 gals. of water	Spray at the rate of 1 gallon per 1,000 sq. ft. on painted surfaces and 2 gallons per 1,000 sq. ft. on unpainted surfaces where flies alight or congregate. Repeat applications as necessary. Avoid applying oil-based sprays to valuable ornamental plants as injury may occur.		
Mosquito adults*	1 part to 28 parts water, fuel oil or diesel oil	Spot treatment only (2 sq. ft.). Spray lower outside foundation of residence and spot treat shrubbery and vegetation where mosquitoes may rest. Do not apply as a broadcast treatment to residential lawns.		

^{*}Mosquito control is for localized applications only (not for wide area applications). Not for use in New York.

OUTDOOR USE SITES (SPOT TREATMENT ONLY)

Site	Pest(s)	Rate of This Product	Specific Directions
Gardens	Millipedes, Sawbugs, Springtails	1 tsp./gal. of water	Apply as spot treatment at the rate of 1.2 fl. ozs. per sq. ft. of soil where pest(s) congregate. Repeat at 7 to 10 day intervals as needed.
Lawns	Ant mounds (except Carpenter, Fire, Harvester or Pharaoh ants)	1.5 pts./100 gals. of water (1.4 tsp./gal. of water)	Spot treatment only. Spray Ant mounds thoroughly until well soaked. For other small Ants in flower beds, lawns, around trees, spray lightly infested areas. Repeat at 10 to 15 days if Ants return. Do not allow people or pets to enter treated area until sprays have dried.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Do not contaminate with other pesticides or fertilizers. The product should never be heated above 55°C (131°F), and should not be stored for long periods of time at a temperature in excess of 25°C (77°F). Storage should be under lock and key in a ventilated room and secure from access by unauthorized persons and children. Storage should be in a cool, dry area away from any heat or ignition source. Do not stack over 2 pallets high. Move containers by handles or case. Do not move containers from one area to another unless they are securely sealed. Keep container tightly sealed when not in use. Keep away from any puncture source. Do not store near water supplies, food, feed and fertilizer to avoid contamination. Store in original containers only. If the contents are leaking or material is spilled, follow these steps:

- 1. Contain spill. Absorb with a material such as sawdust, clay granules or dirt.
- 2. Collect and place in suitable containers for disposal.
- 3. Wash area with soap and water to remove remaining pesticide.
- 4. Follow washing with clean water rinse.
- 5. Place leaking container in a plastic tub and transfer contents, as soon as possible, to an empty, original container.
- 6. Do not allow runoff to enter sewer or contaminate water supplies.
- 7. Dispose of waste.

PESTICIDE DISPOSAL: To avoid wastes, use all materials in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by State or local governments or by industry).

CONTAINER HANDLING:

Nonrefillable Container (rigid material; less than 5 gallons):

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container one-fourth full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration.

Nonrefillable Container (rigid material: 5 gallons up to < 250 gallons):

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration.

Refillable Container (> 250 gallons & Bulk):

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in sanitary landfill or by other procedures approved by state and local authorities.

WARRANTY-CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

Manufactured By:

Drexel Chemical Company PO BOX 13327, MEMPHIS, TN 38113-0327 SINCE 1972

The DREXEL logo is a registered trademark of Drexel Chemical Company. All other brand names, product names, or trademarks belong to their respective holders.

SUBLABEL B: **PUBLIC HEALTH USE** MOSQUITOCIDE LABEL



Insecticide / Miticide

FOR USE AGAINST MOSQUITOES (NOT FOR USE IN NEW YORK)

For Use Only by Federal, State, Tribal, or Local Government Officials Responsible for Public Health or Vector Control, or by Persons Certified in the Appropriate Category or Otherwise Authorized by the State or Tribal Lead Pesticide Regulatory Agency to perform Adult Mosquito Control Applications, or by Persons Under Their Direct Supervision.

ACTIVE INGREDIENT:

Malathion	57.0%
OTHER INGREDIENTS:	43.0%
TOTAL:	100.0%

This product contains 5 pounds of Malathion per gallon. Contains petroleum distillate.

KEEP OUT OF REACH OF CHILDREN **WARNING / AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See FIRST AID on Page 23

EPA Reg. No. 19713-217 EPA Est. No. 19713-XX-XXX

Net	Content:	

Manufactured By:



217SP-0415*P

FIRST AID

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- · Call a poison control center or doctor for treatment advice.

IF SWALLOWED:

- · Immediately call a poison control center or doctor for treatment advice.
- Do not induce vomiting unless told to by a poison control center or doctor.
- Do not give any liquid to the person.
- Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.
- · Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also call CHEMTREC at 800-424-9300 for emergency.

NOTE TO PHYSICIAN: This product is a cholinesterase inhibitor. Atropine is antidotal. 2-PAM may be effective as an adjunct to atropine. Malathion is an organophosphate. Contains petroleum distillate. May pose an aspiration pneumonia hazard.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Causes substantial but temporary eye injury. Harmful if swallowed. Harmful if absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

For All Formulations and Use Patterns - Mixers, loaders, applicators, flaggers and other handlers must wear: Long-sleeved shirt and long pants, chemical-resistant gloves made of barrier laminate or viton ≥ 14 mils (pilots must wear chemical-resistant gloves only when entering or exiting the aircraft), shoes plus socks, and protective eyewear such as safety glasses, face shield, or goggles.

For All Airblast Applications - Applicators must wear: Long-sleeved shirt and long pants, shoes plus socks, chemical-resistant gloves made of barrier laminate or viton ≥ 14 mils (pilots must wear chemical-resistant gloves only when entering or exiting the aircraft), chemical-resistant apron, and protective eyewear (safety glasses, faceshield, goggles).

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENGINEERING CONTROLS

Pilots must use an enclosed cockpit in a manner that is consistent with the WPS for Agricultural Pesticides [40 CFR 170.240 (d)(6)]. Pilots must wear the PPE required on this labeling for applicators.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic organisms, including fish and invertebrates. This product may contaminate water through drift of spray in wind. This product has a high potential for runoff after application. Use care when applying in or to an area which is adjacent to any body of water, and do not apply when weather conditions favor drift from target area. Poorly draining soils and soils with shallow water tables are more prone to product runoff that contains this product.

When applying as a wide area mosquito adulticide, before making the first application in a season, it is advisable to consult with the state or tribal agency charged with the primary responsibility for pesticide regulation to determine if other regulatory requirements exist.

This pesticide is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively foraging the treatment area, except when applications are made to prevent or control a threat to public and/or animal health determined by a State, tribal or local public health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes of the occurrence of mosquito-borne disease in animal or human populations, or if specifically approved by the State or tribe during a natural disaster recovery effort. When applying as a wide area mosquito adulticide, do not apply over bodies of water (lakes, rivers, permanent streams, natural ponds, commercial fish ponds, swamps, marshes, estuarines), except when necessary to target areas where adult mosquitoes are present, and weather conditions will facilitate movement of applied material away from the water in order to minimize incidental deposition into the water body.

Do not discharge effluent containing this product into lakes, streams, ponds, estuarines, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination Systems (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

PHYSICAL OR CHEMICAL HAZARDS

Combustible: Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For use by federal, state, tribal, or local government officials responsible for public health or vector control, or by persons certified in the appropriate category or otherwise authorized by the state or tribal lead pesticide regulatory agency to perform adult mosquito control applications, or by persons under their direct supervision.

RESISTANCE MANAGEMENT

GROUP 1B INSECTICIDE

MALATHION 5EC contains a Group 1B insecticide or acaricide. Insect/mite biotypes with acquired resistance to Group 1B may eventually dominate the insect/mite population if Group 1B insecticides or acaricides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by this product or other Group 1B insecticides or acaricides.

To delay insecticide or acaricide resistance, consider:

- Avoiding the consecutive use of this product or other Group 1B insecticides/acaricides that have similar target site of action on the same insect/mite species.
- Using tank mixtures or premixes with insecticides/acaricides from a different target site action
 Group as long as the involved products are all registered for the same use and have different sites of action.
- Basing insecticide/acaricide use on a comprehensive IPM program.
- Monitoring treated insect/mite populations for loss of field efficacy.

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Contacting your local extension specialist, certified crop advisors, and/or manufacturer for insecticide/acaricide resistance management and/or IPM recommendations for specific site and resistant pest problems.

USE RESTRICTIONS AND PRECAUTIONS

DO NOT retreat a site more than 3 times in any one week when mosquitoes are swarming or biting. More frequent treatments may be made to prevent or control a threat to public and/or animal health determined by a state, tribal or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito-borne diseases in animal or human populations, of if specifically approved by the state or tribe during a natural disaster recovery effort.

RESTRICTIONS

- Apply when wind speed is greater than or equal to 1 mph.
- Do not apply more than 0.23 lb. a.i. (6 fl. ozs. of this product) per acre per day.
- Do not apply by fixed wing aircraft at a height less than 100 feet, or by helicopter a height less than 75 feet unless specifically approved by the state or tribe based on public health needs.

PRECAUTIONS

Before using, read the directions contained in this labeling for the proper methods and procedures which must be followed to achieve effective mosquito control and avoid permanent damage to automobiles and other paint finishes. **IMPORTANT:** In areas where automobiles, trailers, trucks and pleasure boats are present, undiluted spray droplets of this product will permanently damage vehicle paint finishes unless the aircraft used for the ultra low volume application meets all of the specifications listed under the "AERIAL APPLICATION" section below.

AERIAL APPLICATION

Spray equipment must be adjusted so that the volume median diameter produced is less than 60 microns (Dv 0.5 < 60 um) and that 90% of the spray is contained in droplets smaller than 100 microns (Dv 0.9 < 100 um). The effects of flight speed and, for non-rotary nozzles, nozzle angle on the droplet size spectrum must be considered. Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using a wind tunnel and laser-based measurement instrument must be used to adjust equipment to produce acceptable droplet size spectra. Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.

GROUND BASED APPLICATION

Spray equipment must be adjusted so that the volume median diameter produced is less than 30 microns (Dv 0.3 < 30 um) and that 90% of the spray is contained in droplets smaller than 50 microns (Dv 0.9 < 50 um). Directions from the equipment manufacturer or vendor, pesticide registrant or a test facility using a laser-based measurement instrument must be used to adjust equipment to produce acceptable droplet size spectra. Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated.

Thermal Aerosol or Fogs

For control of adult mosquitoes with thermal aerosols or fogs, apply this product at the rate of 6 oz. actual per gallon (7.7 gallons of this product in 100 gallons finished solution*) by ground equipment delivering 40 gallons per hour at vehicle speed of 5 miles per hour to treat a swath width of 300 to 400 feet.

*There is a great variation in the chemical composition of fuel oils which may be used as thermal fog solvents. These differences may cause sludge and/or affect the solubility of this product.

Nonthermal Aerosols

Adult Mosquito Control: Control of adult mosquitoes over a 300-foot swath can be obtained with nonthermal aerosols of this product using the following rates at the indicated vehicle speeds:

		Rates of	This Product	•••••••••••	
		Undiluted - A	Apply as Follow	'S	
Lbs. A.I. per Acre	Application Rates (fl. ozs.) per Minute at Vehicle Speeds			This Product per Acre	
	5 mph	10 mph	15 mph	20 mph	(fl. ozs.)
0.03 to 0.06	2.3 to 4.5	4.5 to 9	6.8 to 13.5	9 to 18	0.75 to 1.5
		1:2	Dilution		
Mix 1 p	art of this produc	ct with 2 parts o	f suitable fuel oil	or water. Appl	y as follows:
Lbs. A.I. per Acre	Application Rates (fl. ozs.) per Minute at Vehicle Speeds			Finished Spray per	
	5 mph	10 mph	15 mph	20 mph	Acre (fl. ozs.)
0.03 to 0.06	9 to 18	18 to 36	27 to 54	36 to 72	3 to 6
			Dilution		
Mix 1 p	art of this produc	ct with 4 parts o	f suitable fuel oil	or water. Appl	y as follows:
Lbs. A.I. per Acre	Lbs. A.I. per Acre Application Rates (fl. ozs.) per Minute at Vehicle Speeds			Finished Spray per	
	5 mph	10 mph	15 mph	20 mph	Acre (fl. ozs.)
0.03 to 0.06	11.25 to 22.5	22.5 to 45	33.75 to 67.5	45 to 90	3.75 to 7.5

OPERATING EQUIPMENT:

Each nonthermal aerosol generator used for dispersal of this product to control adult mosquitoes must have the minimum capability of producing the droplet spectrum described under "GROUND BASED APPLICATION". The initial determination of droplet size is made after the unit is installed in a vehicle and prior to its use in mosquito control operations. Recheck the unit as frequently as necessary to insure that proper droplet size is maintained for each operation. Determination of droplet size annually is usually sufficient if the unit has been maintained in good operating conditions. If chemical flow rate or any changes or modifications are made to the equipment, recheck the calibration and droplet size characterization. The unit must be inspected before each operation to correct any leaks or obstructions in the spray system to detect whether the nozzle, hoses, or other parts are worn and need replacement, to insure that the flow meter is properly calibrated and to determine that the pressure recommended by the manufacturer is being maintained. Consult your equipment manufacturer's instructions for additional calibration and droplet size checks and requirements.

Nozzle Direction - Angled in a backwards direction out the side or rear of the vehicle.

- Angled in an upwards direction based on fogger characteristics.
- Vehicle Speed Allowable speed dictated by local policies and laws, as well as capabilities of the application equipment.
 - Shut off spray equipment when vehicle is stopped.

DILUTION RATES FOR THIS PRODUCT

Mosquito control in populated and rural areas (adult mosquito control over cities, towns, and other areas where automobiles, trailers, trucks, and pleasure boats are present): Apply 5.1 to 6 fl. ozs. of this product per acre. Apply only when weather conditions are favorable. Wind and rising air currents may cause undesirable spray drift and reduce mosquito control. Only treat when mosquitoes are swarming or biting. Do not retreat a site more than 3 times in any one week. However, more frequent treatments may be made to prevent or control a threat to public and/or animal health determined by a state, tribal or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito-borne diseases in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort.

IMPORTANT: Undiluted spray droplets of this product will permanently damage automobile paint unless all the conditions described and recommended in this label are met. If accidental exposure does occur, the vehicle should be washed at once.

Adult mosquitoes on rangeland, pasture, and other uncultivated non-agricultural areas (Wasteland, Roadsides): Apply this product at the rate of 4 to 6 fl. ozs. in 2 to 8 quarts of water per acre to control adult mosquitoes using ground or aerial equipment.

Only treat when mosquitoes are swarming or biting. Do not retreat a site more than 3 times in any one week. However, more frequent treatments may be made to prevent or control a threat to public and/or animal health determined by a state, tribal or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito-borne diseases in animal or human populations, or if specifically approved by the state or tribe during a natural disaster recovery effort. This product can be mixed with a synergized pyrethrin emulsifiable concentrate (such as 6 pyrethrin + 60% PBO) in accordance with the most restrictive of label limitations and precautions indicated on both this and the tank-mixed product. Label rates must not be exceeded. This product may not be mixed with any other product bearing a label which specifically prohibits such mixing. Prior to tank mixing large quantity, mix a small amount in a glass jar to verify that the products are physically compatible.

Depending upon your operational needs for knock down, the amount of synergized pyrethrin can be reduced or adjusted. Application rates of this product and droplet distribution requirements remain the same as for this product used alone.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Do not contaminate with other pesticides or fertilizers. The product should never be heated above 55°C (131°F), and should not be stored for long periods of time at a temperature in excess of 25°C (77°F). Storage should be under lock and key in a ventilated room and secure from access by unauthorized persons and children. Storage should be in a cool, dry area away from any heat or ignition source. Do not stack over 2 pallets high. Move containers by handles or case. Do not move containers from one area to another unless they are securely sealed. Keep container tightly sealed when not in use. Keep away from any puncture source. Do not store near water supplies, food, feed and fertilizer to avoid contamination. Store in original containers only. If the contents are leaking or material is spilled, follow these steps:

- 1. Contain spill. Absorb with a material such as sawdust, clay granules or dirt.
- 2. Collect and place in suitable containers for disposal.
- 3. Wash area with soap and water to remove remaining pesticide.
- 4. Follow washing with clean water rinse.
- 5. Place leaking container in a plastic tub and transfer contents, as soon as possible, to an empty, original container.
- 6. Do not allow runoff to enter sewer or contaminate water supplies.
- 7. Dispose of waste.

PESTICIDE DISPOSAL: To avoid wastes, use all materials in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by State or local governments or by industry).

CONTAINER HANDLING:

Nonrefillable Container (rigid material; less than 5 gallons):

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container one-fourth full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration.

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Nonrefillable Container (rigid material; 5 gallons up to < 250 gallons):

Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Tum the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration.

Refillable Container (≥ 250 gallons & Bulk):

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in sanitary landfill or by other procedures approved by state and local authorities.

WARRANTY-CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

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